

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, Washington 98101

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT
DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, 33 U.S.C. §1251 et seq., as amended by the Water Quality Act of 1987, P.L. 100-4, the "CWA",

City of Aberdeen Wastewater Treatment Facility
17 North main Street
Aberdeen, Idaho 83210

is authorized to discharge from a wastewater treatment facility located in the City of Aberdeen to the Aberdeen Drain and eventually to the receiving waters named the American Falls Reservoir at latitude 42°56'30", longitude 112°50'15", in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective [Date].

Signed this [day] day of [month] [year].

Randall F. Smith
Director, Office of Water Region 10
U.S. Environmental Protection Agency

DRAFT

TABLE OF CONTENTS

Cover Sheet--Issuance and Expiration Dates

I.	EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	4
A.	Outfall 001 Effluent Limitations and Monitoring Requirements	4
B.	Receiving Water Monitoring Requirements	5
C.	Quality Assurance Plan	6
D.	Operation and Maintenance Plan.	6
II.	SLUDGE (BIOSOLIDS) MANAGEMENT REQUIREMENTS	7
III.	MONITORING, RECORDING, AND REPORTING REQUIREMENTS	7
A.	Representative Sampling	7
B.	Monitoring Procedures	7
C.	Reporting of Monitoring Results	7
D.	Additional Monitoring by the Permittee	8
E.	Records Contents	8
F.	Retention of Records	8
G.	Twenty-four Hour Notice of Noncompliance Reporting	9
H.	Other Noncompliance Reporting	10
I.	Notice of New Introduction of Pollutants	10
IV.	COMPLIANCE RESPONSIBILITIES	10
A.	Duty to Comply	10
B.	Penalties for Violations of Permit Conditions	10
C.	Need to Halt or Reduce Activity not a Defense	11
D.	Duty to Mitigate	12
E.	Operation and Maintenance	12
F.	Bypass of Treatment Facilities	12
G.	Upset Conditions	13
H.	Toxic Pollutants	14
I.	Planned Changes	14
V.	GENERAL PROVISIONS	14
A.	Permit Actions	14
B.	Duty to Reapply	14
C.	Duty to Provide Information	15
D.	Other Information	15
E.	Signatory Requirements	15

DRAFT

F.	Availability of Reports	16
G.	Inspection and Entry	16
H.	Oil and Hazardous Substance Liability	16
I.	Property Rights	17
J.	Severability	17
K.	Transfers	17
L.	State Laws	17
M.	Reopener Clause	17
VI.	DEFINITIONS	19

DRAFT

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 001 Effluent Limitations and Monitoring Requirements.

1. The permittee is authorized to discharge from outfall 001, subject to the restrictions set forth herein. This permit does not authorize the discharge of any waste streams, including spills and other unintentional or non-routine discharges of pollutants, that are not part of the normal operation of the facility as disclosed in the permit application, or any pollutants that are not ordinarily present in such waste streams. Effluent limitations are maximum values unless otherwise noted.

Table 1: Limitations and Monitoring Requirements for Outfall 001					
Parameter	Effluent Limitations			Monitoring Requirements	
	Average Monthly	Average Weekly	Instantaneous Maximum	Sample Frequency	Sample Type
Five-day Biochemical Oxygen Demand ¹ mg/l lb/day Percent Removal	30 150 85 ²	45 225 ---	--- --- ---	1/Week	24-hr Composite
Total Suspended Solids ¹ mg/l lb/day Percent Removal	30 150 85 ²	45 225 ---	--- --- ---	1/Week	24-hr Composite
Fecal Coliform, #/100ml ³	---	200	---	5/Week Mon-Fri	Grab
E. coli, #/100ml ⁴	126	---	406 ⁵	5/Month Mon-Fri	Grab
Total Residual Chlorine µg/l lb/day	0.5 2.5	0.75 3.75	---	5/Week Mon-Fri	Grab
pH, standard units ⁶			See Part I.A.2.	5/week	Grab
Total Ammonia (as N) Grab mg/l	---	---	---	Quarterly	24-hr Composite
Total Kjeldahl Nitrogen (as N) mg/l	---	---	---	Quarterly	24-hr Composite
Nitrate-Nitrate (as N) mg/l	---	---	---	Quarterly	24-hr Composite
Total Phosphorus (as P) mg/l	---	---	---	Quarterly	24-hr Composite

DRAFT

Table 1: Limitations and Monitoring Requirements for Outfall 001					
Parameter	Effluent Limitations			Monitoring Requirements	
	Average Monthly	Average Weekly	Instantaneous Maximum	Sample Frequency	Sample Type
Dissolved oxygen mg/l	---	---	---	Quarterly	Grab
Temperature ⁶	---	---	---	Quarterly	Grab
Notes: 1 The sample location must be influent and effluent for these parameters. The permittee must collect influent and effluent samples over the same 24 hour period. 2 This value represents a minimum percent removal. 3 The weekly average value must be measured as a geometric mean. 4 The average monthly E. coli count must not exceed a geometric mean of 126/100ml based on a minimum of 5 samples taken, every 3 to 5 days, over a thirty day period. 5 Reporting is required within 24 hours of an instantaneous maximum limit violation. See Part III.G 6 The quarterly sampling must be done at the same time for ammonia, pH and temperature to the extent practicable.					

2. The pH range must be between 6.5 - 9.0 standard units. The permittee must report the number and duration of excursions during the month with the discharge monitoring report (DMR) for each month.
3. There must be no discharge of floating, suspended or submerged matter such that it causes a nuisance or objectionable condition or impairs designated beneficial uses.

B. Receiving Water Monitoring Requirements.

1. Two monitoring station must be established; one upstream from the point of discharge of the facility, and the other downstream of the facility at the end of the Aberdeen Drain. The upstream station's required monitoring must be of flow, ammonia, pH, and temperature. The downstream station's required monitoring must be of total residual chlorine and located just before the American Falls Reservoir. Both station's monitoring must be done on a quarterly basis. The monitoring station must be agreed upon in cooperation with EPA and the Idaho Division of Environmental Quality (IDEQ) no later than 30 days after the permit issuance date.
2. The permittee must use EPA approved methods when sampling for the above parameters. All samples for ammonia, pH, temperature, and total residual chlorine from the receiving water will be taken as grab samples.
3. Receiving water monitoring data must be submitted with DMRs to EPA and Idaho Department of Environmental Quality (IDEQ).

DRAFT

C. Quality Assurance Plan.

1. The permittee must develop a Quality Assurance Plan (QAP) for all monitoring requirements identified in the permit. The plan must be implemented within 120 days of the effective date of the permit.
2. At a minimum, the plan must include the following:
 - a. Protocols for sampling techniques (field blanks, replicates, duplicates, control samples, etc.),
 - b. Sample preservation methods,
 - c. Sample shipment procedures,
 - d. Instrument calibration procedures and preventive maintenance (frequency, standard, spare parts), and
 - e. Qualification and training of personnel.
3. Throughout all sample collection and analysis activities, the permittee must use the EPA approved quality assurance, quality control, and chain-of-custody procedures described in: *Requirements for Quality Assurance Project Plans*, EPA QA/R-5 and *Guidance on Quality Assurance Project Plans*, EPA QA/G-5.
4. The permittee must amend the QAP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAP.
5. Copies of the QAP must be kept on site and made available to EPA and/or Idaho Department of Environmental Quality (IDEQ) upon request.

D. Operation and Maintenance Plan.

1. The Permittee must develop an Operation and Maintenance Plan within 120 days of the effective date of the final permit and ensure that it includes appropriate best management practices (BMPs); the plan must be reviewed annually thereafter. BMPs include measures which prevent or minimize the potential for the release of pollutants to the American Falls Reservoir. The Plan must be retained on site and made available to EPA upon request.
2. The permittee must develop a description of pollution prevention measures and controls appropriate for the facility. The appropriateness and priorities of controls in the Plan must reflect identified potential sources of pollutants at the facility. The description of BMPs must address, to the extent practicable, the following minimum components: spill prevention and control; optimization of chemical usage; preventive maintenance program; research, development and implementation of a

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public information and education program to control the introduction of household hazardous materials to the sewer system; and water conservation.

3. The design criterion for the permitted facility is an annual average flow of 0.6 mgd. Each month, the permittee must compute an annual average value for flow entering the facility based on the previous twelve months data. If the average annual value exceeds 85% of the design criterion value, the permittee must develop a facility plan and schedule within one year from the date of the first exceedance. The plan must include the permittee's strategy for continuing to maintain compliance with effluent limits and will be made available to the EPA and/or IDEQ. upon request.

II. SLUDGE (BIOSOLIDS) MANAGEMENT REQUIREMENTS

The permittee must ensure that an updated biosolids permit application (Form 2S) is on file with the EPA within six months of the issuance of this permit.

III. MONITORING, RECORDING, AND REPORTING REQUIREMENTS

- A. Representative Sampling. The permittee shall collect all effluent samples from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge.

In order to ensure that the effluent limits set forth in this permit are not violated at times other than when routine samples are taken, the permittee shall collect additional samples whenever any discharge occurs that may reasonably be expected to cause or contribute to a violation that is unlikely to be detected by a routine sample. The permittee shall analyze the additional samples for those parameters limited in Part I.A. of this permit that are likely to be affected by the discharge.

The permittee shall collect such additional samples as soon as the spill, discharge, or bypassed effluent reaches the outfall. The samples shall be analyzed in accordance with paragraph III.B ("Monitoring Procedures"). The permittee shall report all additional monitoring in accordance with paragraph III.D ("Additional Monitoring by Permittee").

- B. Monitoring Procedures. Monitoring shall be conducted according to test procedures approved under 40 CFR 136, unless other test procedures have been specified in this permit.
- C. Reporting of Monitoring Results. Monitoring results shall be summarized each month on the DMR form (EPA No. 3320-1) or its equivalent. The reports shall be submitted monthly and are to be postmarked by the 10th

DRAFT

day of the following month. Legible copies of these, and all other reports, shall be signed and certified in accordance with the requirements of paragraph V.E. (Signatory Requirements) and submitted to the Director, Office of Water and the State agency at the following addresses:

original to: United States Environmental Protection Agency Region 10
1200 Sixth Avenue, OW-133
Seattle, Washington 98101

copy to: Idaho Department of Environmental Quality
Pocatello Regional Office
224 South Arthur
Pocatello, Idaho, Idaho 83240

- D. Additional Monitoring by the Permittee. If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated and an explanation of why such additional monitoring was performed.

Upon request by the Director, the permittee shall submit results of any other sampling, regardless of the test method used.

- E. Records Contents. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The individual(s) who performed the sampling or measurements;
3. The date(s) analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of such analyses.

- F. Retention of Records. Except as specified in paragraph III.H., the permittee shall retain records of all monitoring information, including but not limited to all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This

DRAFT

period may be extended by request of the Director or IDEQ at any time. A copy of this NPDES permit shall be maintained on-site for the duration of activity at the permitted location.

G. Twenty-four Hour Notice of Noncompliance Reporting.

1. The following occurrences of noncompliance shall be reported by telephone within 24 hours from the time the permittee becomes aware of the circumstances:
 - a. Any unanticipated bypass which exceeds any effluent limitation in the permit (See Part IV.F, Bypass of Treatment Facilities);
 - b. Any upset which exceeds any effluent limitation in the permit (See Part IV.G, Upset Conditions); or
 - c. Violation of a maximum daily discharge limitation for any of the pollutants in Table 1 of Section I.A of the permit requiring 24-hour reporting.
2. A written submission shall also be provided within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times;
 - c. The estimated time noncompliance is expected to continue if it has not been corrected; and
 - d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
 - e. If the non compliance involves an overflow prior to the treatment works, an estimate of the quantity (in gallons) of untreated overflow.
3. The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the NPDES Compliance Unit in Seattle, Washington, by phone, (206) 553-1846.

DRAFT

4. Reports shall be submitted to the addresses in Part III.C (Reporting of Monitoring Results).
- H. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for Part III.C (Reporting of Monitoring Results) are submitted. The report shall contain the information listed in Part III.G (Twenty-four Hour Notice of Noncompliance Reporting).
- I. Notice of New Introduction of Pollutants. The permittee shall provide adequate notice to the Director, Office of Water of:
 1. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 or 306 of the CWA if it were directly discharging those pollutants; and
 2. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.
 3. For the purposes of this section, adequate notice shall include information on:
 - a. The quality and quantity of effluent to be introduced into such treatment works; and
 - b. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from such publicly owned treatment works.

IV. COMPLIANCE RESPONSIBILITIES

- A. Duty to Comply. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- B. Penalties for Violations of Permit Conditions. Except as provided in permit conditions in Part IV.F (Bypass of Treatment Facilities) and Part IV.H (Upset Conditions), nothing in this permit shall be construed to relieve the permittee

DRAFT

of the civil or criminal penalties for noncompliance.

1. **Civil and Administrative Penalties.** Any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the CWA shall be subject to a civil or administrative penalty, not to exceed the maximum amounts authorized by Sections 309(d) and 309(g) of the CWA and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. § 2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. § 3701 note).
2. **Criminal Penalties:**
 - a. **Negligent Violations.** Any person who negligently violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the CWA shall, upon conviction, be punished by a fine and/or imprisonment as specified in Section 309(c)(1) of the CWA.
 - b. **Knowing Violations.** Any person who knowingly violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the CWA shall, upon conviction, be punished by a fine and/or imprisonment as specified in Section 309(c)(2) of the CWA.
 - c. **Knowing Endangerment.** Any person who knowingly violates a permit condition implementing Sections 301, 302, 303, 306, 307, 308, 318, or 405 of the CWA, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine and/or imprisonment as specified in Section 309(c)(3) of the CWA.
 - d. **False Statements.** Any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this CWA or who knowingly falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under this CWA, shall, upon conviction, be punished by a fine and/or imprisonment as specified in Section 309(c)(4) of the CWA.

DRAFT

- C. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- E. Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used, by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

F. Bypass of Treatment Facilities.

- 1. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this section.
- 2. Notice.
 - a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.
 - b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required under Part III.G (Twenty-four Hour Notice of Noncompliance Reporting).

DRAFT

3. Prohibition of bypass.

- a. Bypass is prohibited and the Director may take enforcement action against a permittee for a bypass, unless:
 - i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - iii) The permittee submitted notices as required under paragraph 2 of this section.
- b. The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determine that it will meet the three conditions listed above in paragraph 3.a. of this section.

G. Upset Conditions.

- 1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph 2 of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- 2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the

DRAFT

cause(s) of the upset;

- b. The permitted facility was at the time being properly operated;
 - c. The permittee submitted notice of the upset as required under Part III.G ("Twenty-four Hour Notice of Noncompliance Reporting"); and
 - d. The permittee complied with any remedial measures required under Part IV.D ("Duty to Mitigate").
3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- H. Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- I. Planned Changes. The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
- 1. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged (This notification applies to pollutants which are not subject to effluent limitations in the permit or notification requirements under 122.42(a)(1)); or
 - 2. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to the land application plan approved in this permit.

V. GENERAL PROVISIONS

- A. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of

DRAFT

planned changes or anticipated noncompliance, does not stay any permit condition.

- B. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. The application shall be submitted at least 180 days before the expiration date of this permit unless the Administrator grants permission to submit the application at a later date.
- C. Duty to Provide Information. The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.
- D. Other Information. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Director, it shall promptly submit such facts or information.
- E. Signatory Requirements. All applications, reports or information submitted to the Director shall be signed and certified.
 - 1. All permit applications shall be signed by either a principal executive officer or ranking elected official.
 - 2. All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the Director, and
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative

DRAFT

may thus be either a named individual or any individual occupying a named position.)

3. Changes to authorization. If an authorization under paragraph V.E.2. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph V.E.2. shall be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative.
4. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- F. Availability of Reports. Except for data determined to be confidential under 40 CFR Part 2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Director. As required by the CWA, permit applications, permits and effluent data shall not be considered confidential.
- G. Inspection and Entry. The permittee shall allow the Director or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon the presentation of credentials and other documents as may be required by law, to:
 1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 2. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or

DRAFT

required under this permit; and

4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location.
- H. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the CWA.
- I. Property Rights. The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws for regulations.
- J. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
- K. Transfers. This permit may be automatically transferred to a new permittee if:
1. The current permittee notifies the Director at least 30 days in advance of the proposed transfer date;
 2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 3. The Director does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.
- L. State Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the

DRAFT

Clean Water Act.

- M. Reopener Clause. This permit is subject to modification, revocation and reissuance, or termination at the request of any interested person (including the permittee) or upon EPA initiative. However, permits may only be modified, revoked or reissued, or terminated for the reasons specified in 40 CFR 122.62 or 122.64, and 40 CFR 124.5. This includes new information which was not available at the time of permit issuance and would have justified the application of different permit conditions at the time of issuance, including but not limited to future monitoring results. All requests for permit modification shall be addressed to EPA in writing and shall contain facts or reasons supporting the request.

DRAFT

VI. DEFINITIONS

1. "Administrator" means the Administrator of the EPA, or an authorized representative.
2. "Average monthly discharge limitation" means the highest allowable average of "daily discharges" over a calendar month. For pollutants other than E. coli bacteria, the average monthly discharge shall be calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. For E. coli bacteria, the average monthly discharge shall be calculated as a geometric mean.
3. "Average weekly discharge limitation" means the highest allowable average of "daily discharges" over a calendar week. For pollutant other than E. coli bacteria, the average weekly discharge shall be calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. For E. coli bacteria, the average weekly discharge shall be calculated as a geometric mean.
4. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
5. "Chronic toxic unit" ("TU_c") is a measure of chronic toxicity. The number of chronic toxic units in the effluent is calculated as 100/NOEC, where the NOEC is measured in percent effluent.
6. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.
7. "Director" means the Director of the Office of Water, EPA, or an authorized representative.
8. "DMR" means discharge monitoring report.
9. "EPA" means the United States Environmental Protection Agency.
10. "Grab" sample is a single sample or measurement taken at a specific time or

DRAFT

over as short a period of time as is feasible.

11. "Instantaneous Maximum Limit" means the maximum allowable concentration of a pollutant determined from the analysis of any discrete sample collected, independent of the flow rate and the duration of the sampling event.
12. "Maximum daily discharge limitation" means the highest allowable "daily discharge."
13. "Regional Administrator" means the EPA Region 10 Regional Administrator, or an authorized representative.
14. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
15. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
16. "Waste stream" means any non-de minimus stream of pollutants within the permittee's facility that enters any permitted outfall or navigable waters. This includes spills and other unintentional, non-routine or unanticipated discharges.
17. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than 8 discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and stored in accordance with procedures prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*.

DRAFT